

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
10 March 2005 (10.03.2005)

PCT

(10) International Publication Number
WO 2005/022662 A1

(51) International Patent Classification⁷: **H01L 51/20**,
27/15

(21) International Application Number:
PCT/EP2004/008909

(22) International Filing Date: 9 August 2004 (09.08.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/498,439 27 August 2003 (27.08.2003) US

(71) Applicant (for all designated States except US): **OSRAM
OPTO SEMICONDUCTORS GMBH** [DE/DE]; Wern-
erwerkstrasse 2, 93049 Regensburg (DE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **GUENTHER**,
Ewald, Karl, Michael [DE/DE]; Espental 10, 93128 Re-
genstauf (DE). **HEUSER**, Karsten [DE/DE]; Georg-Frank
Strasse 17, 91056 Erlangen (DE). **WITTMANN**, Georg
[DE/DE]; Erlenstrasse 10 A, 91074 Herzogenaurach (DE).

(74) Agent: **EPPING HERMANN FISCHER PATENTAN-
WALTSGESELLSCHAFT MBH**; Ridlerstrasse 55,
80339 München (DE).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

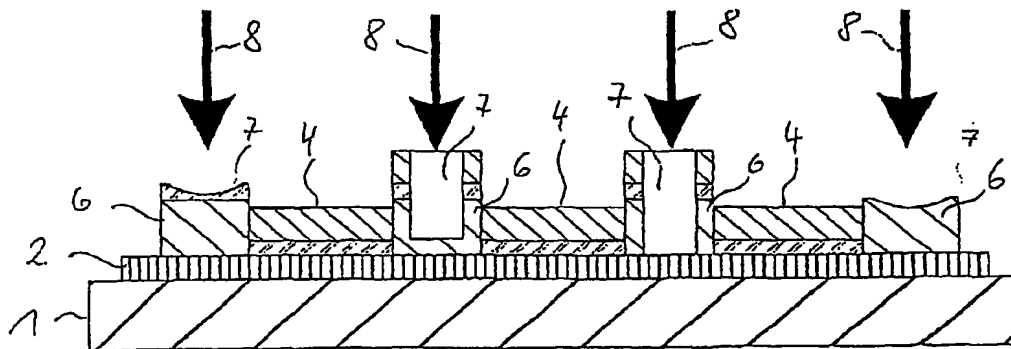
(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

[Continued on next page]

(54) Title: METHOD FOR MANUFACTURING AN ORGANIC ELECTRONIC DEVICE AND ORGANIC ELECTRONIC DE-
VICE



(57) Abstract: The invention discloses a method for manufacturing an organic electro-luminescent display device, the method comprising the steps of: providing a light-permeable substrate; arranging a plurality of transparent electrodes in a stripe-like manner on the light-permeable substrate, the transparent electrodes being made of a light-permeable conductive film; forming at least one organic layer on the subassembly, the at least one organic layer being made of an organic electro-luminescent medium so that the at least one organic layer covers the electrodes; forming a conductive film all over the at least one organic layer; and removing at least one portion of the conductive film so as to create stripe-like electrodes being electrical isolated to each other and extending in a direction perpendicular to the transparent electrodes using a radiation method.



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.